King County DNRP Water Quality Index

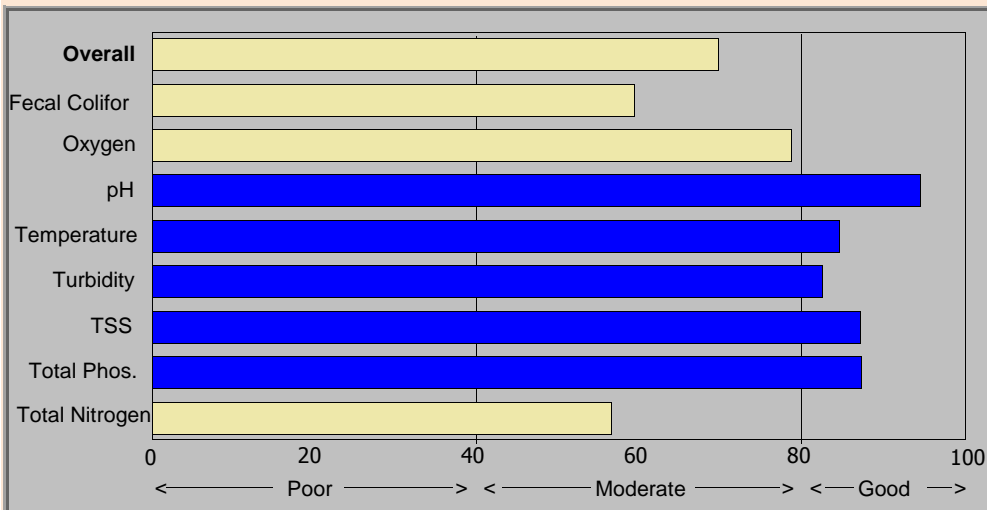| STATION	VA37A	WATER YEAR	2014

GAUGE #	65A	Tahlequah Creek at mouth, Vashon Island	Overall Index	70

Station VA65A is located just upstream of the mouth on private property at the end of SW Gorsuch Road on the north east end of Vashon Island. All of Vashon-Maury Island is designated as rural and as such is outside the urban growth boundary. Low-density residential development covers much of the Island with zoning of one home per five and ten acres. Multifamily, commercial and industrial uses are presently concentrated in the unincorporated town of Vashon and adjacent areas where sewer and other urban services are available
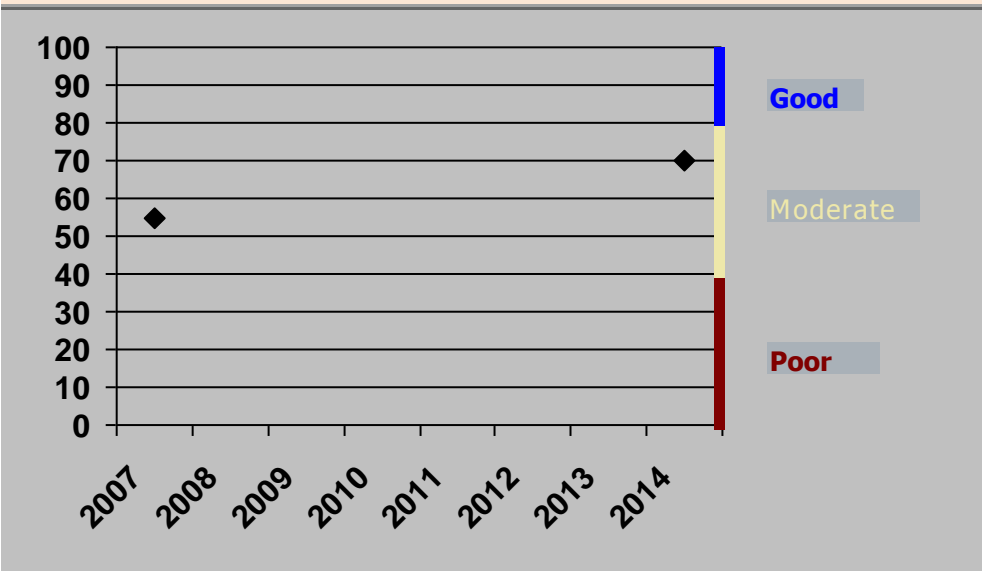
Annual Water Quality Index Scores

Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.

Chart — Annual Water Quality Index Scores (Overall, Fecal Coliform, Oxygen, pH, Temperature, Turbidity, TSS, Total Phos., Total Nitrogen) on a scale of 0–100 (Poor / Moderate / Good).

Photograph of the stream gauge and culvert at the station.

Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						78	87	86	80	53	88

WQI Score Comparison By Water Year

Chart — WQI Score Comparison by Water Year (2007–2014), with categories Good, Moderate, and Poor.

About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx

For more information about this creek please visit our website at http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx